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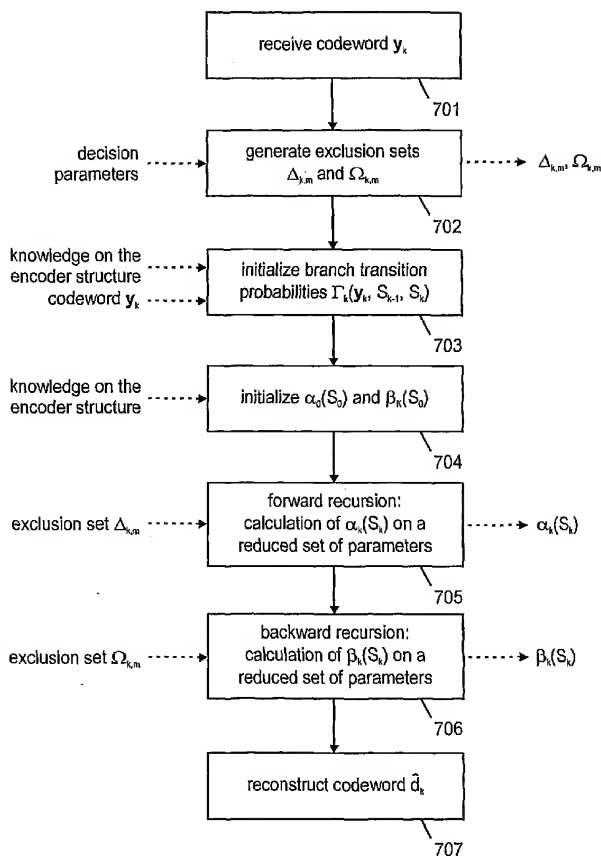
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(54) Title: LOCAL ERASURE MAP DECODER



(57) Abstract: The present invention relates to a method for decoding at least one codeword, the at least one codeword having been generated by an encoder comprising a structure providing a code representable by a set of branch transitions in a trellis diagram. Further, the present invention provides a respective decoder, as well as a mobile station and a base station in a communication network employing the decoder. Moreover a communication system comprising the base stations and mobile stations is provided. To reduce the influence of wrong information in a decoding process the present invention suggests using only a subset of reliable information in the forward and/or backward recursion of a Maximum A-Posteriori (MAP) Algorithm or Max-Log-MAP Algorithm.

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